

European Journal of Mineralogy

Nº 4/2012

Contents

International Diamond School, Bressanone-Brixen, February 2011

'Diamonds, the mantle petrologist's best friends'

F. NESTOLA, P. NIMIS, R.J. ANGEL. – Preface: Diamonds, the mantle petrologist's best friends.....	561
D. HOWELL, I.G. WOOD, F. NESTOLA, P. NIMIS, L. NASDALA. – Inclusions under remnant pressure in diamond: a multi-technique approach.....	563
D. HOWELL. – Strain-induced birefringence in natural diamond: a review	575
L.S. ARMSTRONG, M.J. WALTER. – Tetragonal almandine pyrope phase (TAPP): retrograde Mg-perovskite from subducted oceanic crust?.....	587
F. NESTOLA, M. MERLI, P. NIMIS, M. PARISATTO, M. KOPYLOVA, A. DE STEFANO, M. LONGO, L. ZIBERNA, M. MANGHNANI. – <i>In situ</i> analysis of garnet inclusion in diamond using single-crystal X-ray diffraction and X-ray micro-tomography.....	599
N. MALASPINA, S. TUMIATI. – The role of C-O-H and oxygen fugacity in subduction-zone garnet peridotites	607
Z. ZHANG, Y. FEDORTCHOUK. – Records of mantle metasomatism in the morphology of diamonds from the Slave craton.....	619
F. PRINCIVALLE, F. MARTIGNAGO, F. NESTOLA, A.D. NEGRO. – Kinetics of cation ordering in synthetic $\text{Mg}(\text{Al}, \text{Fe}^{3+})_2\text{O}_4$ spinels.....	633

Other articles

V.A. NADOLINNY, O.P. YURYEVA, M.I. RAKHMANOVA, V.S. SHATSKY, Y.N. PALYANOV, I.N. KUPRIYANOV, D.A. ZEDGENIZOV, A.L. RAGOZIN. – Distribution of OK1, N3 and NU1 defects in diamond crystals of different habits	645
T. LU, H. CHEN, Z. QIU, J. ZHANG, R. WEI, J. KE, I. SUNAGAWA, R. STERN, T. STACHEL. – Multiple core growth structure and nitrogen abundances of diamond crystals from Shandong and Liaoning kimberlite pipes, China	651
A.B. WOODLAND, R.J. ANGEL, M. KOCH. – Structural systematics of spinel and spinelloid phases in the system $\text{MFe}_2\text{O}_4\text{--M}_2\text{SiO}_4$ with $\text{M} = \text{Fe}^{2+}$ and Mg	657
A.M. HOFMEISTER. – Thermal diffusivity of orthopyroxenes and protoenstatite as a function of temperature and chemical composition.....	669
L. LERCHBAUMER, A. AUDÉTAT. – The quartz capsule – a new method to avoid alloying problems with noble-metal capsules in hydrothermal experiments	683
A. ERTL, R. SCHUSTER, J.M. HUGHES, T. LUDWIG, H.-P. MEYER, F. FINGER, M.D. DYAR, K. RUSCHEL, G.R. ROSSMAN, U. KLÖTZLI, F. BRANDSTÄTTER, C.L. LENGAUER, E. TILLMANN. – Li-bearing tourmalines in Variscan granitic pegmatites from the Moldanubian nappes, Lower Austria	695
N. MEISSER, J. BRUGGER, S. KRIVOVICHEV, T. ARMBRUSTER, G. FAVREAU. – Description and crystal structure of maghrebite, $\text{MgAl}_2(\text{AsO}_4)_2(\text{OH})_2 \cdot 8\text{H}_2\text{O}$, from Aghbar, Anti-Atlas, Morocco: first arsenate in the laueite mineral group.....	717
D. TOPA, J. SEJKORA, E. MAKOVICKY, J. PRŠEK, D. OZDÍN, H. PUTZ, H. DITTRICH, S. KARUP-MØLLER. – Chovanite, $\text{Pb}_{15-2x}\text{Sb}_{14+2x}\text{S}_{36}\text{O}_x$ ($x \sim 0.2$), a new sulphosalt species from the Low Tatra Mountains, Western Carpathians, Slovakia.....	727
U. KOLITSCH, S.J. MILLS, R. MIYAWAKI, G. BLASS. – Ferriallanite-(La), a new member of the epidote supergroup from the Eifel, Germany.....	741
M.E. ZELENSKI, N.V. ZUBKOVA, I.V. PEKOV, Y.S. POLEKHOVSKY, D.YU. PUSHCHAROVSKY. – Cupromolybdate, $\text{Cu}_3\text{O}(\text{MoO}_4)_2$, a new fumarolic mineral from the Tolbachik volcano, Kamchatka Peninsula, Russia.....	749
R. MILKE. – Geomaterials in the manuscript archive: the composition of writing sands and the regional distribution of writing-sand types in SW-Germany and northern Switzerland, 14th to 19th century	759
Erratum to P. Metz & R. Milke (<i>Eur. J. Mineral.</i> , 24 , p. 59–72).....	771
Erratum to J.M. Moore, B.K. Kuhn, D.F. Mark, H. Tsikos (<i>Eur. J. Mineral.</i> , 23 , p. 661–673).....	773